Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method for producing finite-state networks, comprising:

producing an input finite-state network having a set of paths, with at least one of the paths in the set of paths containing a delimited subpath; the delimited subpath encoding on an indicated side a delimited substring formatted as a regular expression;

creating a first temporary finite-state network by extracting from the first finite-state network the delimited subpath and eliminating the symbols on the indicated side of the delimited subpath;

creating a second temporary finite-state network by compiling the delimited substring formatted as a regular expression;

computing the cross-product of the first temporary finite-state network and the second temporary finite-state network to create a resulting finite-state network that is a compiled representation of the delimited substring;—and

producing an output finite-state network by replacing the delimited subpath in the input finite-state network with the resulting finite-state network; and performing language processing using the output finite-state network.

- 2. (Original) The method according to claim 1, wherein the delimited substring is produced by concatenating the symbols along the indicated side of the delimited subpath.
- 3. (Original) The method according to claim 1, wherein each finite-state network is represented using a data structure of a computer program.

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- 4. (Original) The method according to claim 1, wherein the input finite-state network, the output finite-state network, and the third temporary finite-state network are finite-state transducers.
- 5. (Original) The method according to claim 1, wherein the first temporary finite-state network and the second temporary finite-state network are simple finite-state automata.
- 6. (Original) The method according to claim 1, wherein the input finite-state network and the second temporary finite-state network are formed using a regular expression compiler.
- 7. (Original) The method according to claim 1, wherein the output finite-state network encodes a relation that involves a nonconcatenative process.
- 8. (Original) The method according to claim 7, wherein the nonconcatenative process is described by the regular expression in the delimited substring.
- 9. (Original) The method according to claim 8, wherein the nonconcatentative process described by the regular expression occurs in a natural language.
- 10. (Original) The method according to claim 7, wherein the nonconcatenative process is interdigitation.
- 11. (Original) The method according to claim 1, wherein the delimited substring is given by:

 $[X^n]$, which denotes a concatenation of n instances of X, where:

^[is a special character string that serves as an opening delimiter;

^] is a special character string that serves as an closing delimiter;

X is a language; and

^n denotes a concatenation of n instances of X.

- 12. (Original) The method according to claim 1, further comprising providing the output finite-state network to execute an application routine.
- 13. (Previously Presented) The method according to claim 12, wherein the application routine is a morphological analyzer.
- 14. (Previously Presented) The method according to claim 12, wherein the application routine is a morphological generator.
- 15. (Currently Amended) A system for producing finite-state networks, comprising:

a regular expression compiler for producing an input finite-state network having a set of paths, with at least one of the paths in the set of paths containing a delimited subpath; the delimited subpath encoding on an indicated side a delimited substring formatted as a regular expression; and

a compile-replace module coupled to the regular expression compiler for:

creating a first temporary finite-state network by extracting from the first

finite-state network the delimited subpath and eliminating the symbols on the indicated side

of the delimited subpath;

creating a second temporary finite-state network by compiling the delimited substring formatted as a regular expression with the regular expression compiler;

computing the cross-product of the first temporary finite-state network and the second temporary finite-state network to create a resulting finite-state network that is a compiled representation of the delimited substring; and

producing an output finite-state network by replacing the delimited subpath in the input finite-state network with the resulting finite-state network; and

a language processor that processes language using the output finite-state network.

- 16. (Original) The system according to claim 15, further comprising a runtime module that accesses the output finite-state network to execute an application routine.
- 17. (Original) The system according to claim 16, wherein the application routine performs morphological analysis.
- 18. (Original) The system according to claim 16, wherein the application routine performs morphological generation.
- 19. (Original) The system according to claim 15, wherein the delimited substring is given by:

 $^{[X^n]}$, which denotes a concatenation of n instances of X, where:

^[is a special character string that serves as an opening delimiter;

^] is a special character string that serves as an closing delimiter;

X is a language; and

^n denotes a concatenation of n instances of X.

20. (Original) The system according to claim 15, further comprising a regular expression compiler for forming the input finite-state network and the second temporary finite-state network.